

NOTES ON THE GENUS CLERODENDRUM (VERBENACEAE). XXI

Harold N. Moldenke

This series of notes was begun in *Phytologia*, volume 57, page 157 (1985), and has been continued in almost every succeeding issue, the species being treated in alphabetic sequence. Since the series was begun numerous additions and emendations have come to light and these will be included in the present installment before continuing with the alphabetic sequence where it was left off in the preceding issue. For explanation of the herbarium acronyms employed refer to the first installment.

CLERODENDRUM Burm.

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Delacourt, & Troy, Trav. Sect. Scient. Techn. Inst. Franç. Pond. Hors 14: 37 & 83. 1975; Pande & Yadava, Labdev. Journ. Sci. Techn. B Life Sci. 13: 75. 1975; Roth, Nov. Pl. Sp., imp. 3, 315--316. 1975; Sharma, Bull. Bot. Soc. Bengal 29: 142. 1975; Anon., Biol. Abstr. 61: AC1. 581. 1976; Gunn & Dennis, World Guide Trop. Drift Seeds 211 & 223. 1976; Hocking, Excerpt. Bot. A.28: 171 & 260. 1976; L., Fl. Zeyl., imp. 3, 104--105. 1976; Lakela, Long, Fleming, & Genelle, Pl. Tampa Bay, ed. 3 [Bot. Lab. Univ. S. Fla. Contrib. 73:] 115, 154, & 182. 1976; Muniappan, Micronesica 12: 272. 1976; Saxena & Khotale, Journ. Bomb. Nat. Hist. Soc. 73: 28. 1976; Singhal, Vats., & Singh, Indian Journ. Ecol. 3: 119--124, 1976; Amaratunga, Ceyl. Journ. Sci. Biol. 12: 193. 1977; Babu, Herb. Fl. Dehra Dun 20, 321, & 396--398. 1977; Bose & Mondal, Biol. Abstr. 65: 3289. 1977; Drake del Castillo, Illust. Fl. Ins. Mar. Pacif., imp. 2, 260 & 261. 1977; [Mold.], Biol. Abstr. 64: 6962. 1977; Pande & Yadava, Biol. Abstr. 65: 4950. 1977; Poppeton, Shuey, & Sweet, Fla. Scient. 40: 384. 1977; Singhal, Vats., & Singh, Biol. Abstr. 64: 1346. 1977; Soukup, Biota 11: 10. 1977; Troth & Nicolson, Phytologia 35: 226 & 227. 1977; Walden, Wild Fls. Hong Kong, imp. 1, pl. 43, fig. 111. 1977; Bose, Mukherjee, & Basu, Biol. Abstr. 66: 4502. 1978; Dagar, Singh, & Mall, Ann. Arid Zone 17: 68--74. 1978; Lal, Lakshman, & Mukharji, Indian Journ. Entomol. 40: 177--181. 1978; Dagar, Singh, & Mall, Biol. Abstr. 67: 4667. 1979; Fosb., Sachet, & Oliv., Micronesica 15: 234, 239, & 240. 1979; Lal, Lakshman, & Mukharji, Biol. Abstr. 67: 5944. 1979; F. Muell., Descrip. Notes Papuan Pl., imp. 2, 8: 8, 10, 11, 48, & 111. 1979; Thomas & Allen, Contrib. Herb. North. La. Univ. 2: 9, 38, 44, & 55. 1981; Varma, Fl. Bhagalpur Dicot. 305 & 308--311. 1981; Choudhury & Patnaik, Journ. Econ. Tax. Bot. 3: 808. 1982; Walden & Hu, Wild Fls. S. China, imp. 2, 10, 14, 24, & 38, pl. 10--40, 42, & 43, fig. 32 & 111. 1984; Wright, Miner, & Carter, Compl. Handb. Gard. Pl. 216 & [217], fig. 4 & 5. 1984; Mold., Phytologia 60: 180--200 & 266--285. 1986; Needham, Sci. Civilis. China 6 (1): 53 & 672. 1986.

It is of interest to note, in passing, that Trimen (1895) asserts that the generic name, *Clerodendrum*, was actually first proposed for this group of plants by Hermann, who so translated the Sinhalese vernacular name, "pinnakola", applied by them to *C. infortunatum* L.

CLERODENDRUM ACERBIANUM (Visiani) Benth.

Additional bibliography: Mold., Phytologia 59: 462 (1986) and 60: 60. 1986.

CLERODENDRUM ACULEATUM (L.) Schlecht.

Additional bibliography: Burkill, Dict. Econ. Prod. Malay Penins., imp. 1, 1: 590 (1935) and imp. 2, 1: 590. 1965; Mold., Phytologia 59: 462--463 & 494 (1986) and 60: 130. 1986.

Burkill (1935) describes this plant as having "white or purple flowers" and that it "has been found very useful for hedges in the West Indies, and may be of service in Malaya". A key to help distinguish it from other Cuban taxa can be found under *C. grandiflorum* (Hook.) Schau. in the present series of notes (60: 130).

CLERODENDRUM ACULEATUM var. *GRACILE* Griseb. & Mold.

Additional bibliography: Mold., *Phytologia* 57: 462--464 (1985) and 58: 181. 1985.

CLERODENDRUM ACULEATUM var. *GUYANENSE* Mold.

Additional & emended bibliography: Mold., *Geogr. Distrib. Avicenn.* 22. 1939; Mold., *Phytologia* 57: 464--465. 1985.

CLERODENDRUM ADENOPHYSUM H. Hallier

Additional bibliography: Mold., *Geogr. Distrib. Avicenn.* 37. 1939; Mold., *Phytologia* 57: 465--468 (1985) and 58: 291 & 353. 1985.

CLERODENDRUM AGGREGATUM Gürke

Additional bibliography: Mold., *Phytologia* 57: 468--469 (1985) and 58: 189. 1985.

A key to distinguish this species from the other known taxa in Madagascar will be found under *C. baronianum* Oliv. in the present series of notes (58: 189).

CLERODENDRUM ALATUM Gürke

Additional bibliography: Mold., *Phytologia* 58: 329 & 443. 1985.

A key to help distinguish this species from some other western tropical African species of the subgenus *Cyclonema* may be found under *C. carnosulum* J. G. Baker in the present series of notes (58: 443).

CLERODENDRUM ALBIFLOS H. J. Lam

Additional bibliography: Mold., *Phytologia* 57: 472--473 (1985) and 58: 349 & 352. 1985.

CLERODENDRUM ALBIFLOS var. *GLABRIOR* (Gibbs) H. J. Lam

Additional bibliography: Mold., *Phytologia* 57: 473 (1985) and 58: 352. 1985.

CLERODENDRUM ALBOVIOLACEUM Mold.

Additional bibliography: Mold., *Phytologia* 57: 474 (1985) and 58: 187. 1985.

A key to distinguish this species from the many other taxa in Madagascar will be found under *C. baronianum* Oliv. in the present series of notes (58: 187).

CLERODENDRUM ALBUM Ridl.

Additional bibliography: Mold., *Phytologia* 57: 474--475 (1985) and 59: 424. 1986.

CLERODENDRUM ANAFENSE Britton & P. Wils.

Additional bibliography: Mold., *Geogr. Distrib. Avicenn.* 5 & 37. 1939; Mold., *Phytologia* 59: 101 & 252 (1986) and 60: 131. 1986.

A key to help distinguish this species from other Cuban taxa is given under *C. grandiflorum* (Hook.) Schau. in the present series of notes (60: 131).

CLERODENDRUM ANGOLENSE Gürke

Additional & emended bibliography: DeWild., Compt. Rend. Hebdomad. Seanc. Mem. Soc. Biol. 72: 582. 1920; B. Thomas, Engl. Bot. Jahrb. 68; [Gatt. Clerod.] 6, 13, 26, 36, 62--63, 92, & 93. 1936; Grout de Beaufort & Schnell, Mém. Inst. Fond. Afr. Noire 75: [7], 9, 40, & 41. 1966; Mold., Phytologia 58: 330 & 421 (1985), 59: 355, 357, 358, & 407 (1986), and 60: 138. 1986.

A key to help distinguish this species from some other tropical west African species of the genus will be found under *C. guerkei* J. G. Baker in the present series of notes (60: 138) as *C. poggei* Gürke.

The *Louis 1035*, distributed as *C. angolense* and so determined by P. Staner, is actually *C. grandifolium* Gürke, while *Hendrickx 849* is *C. grandifolium* var. *cuneatum* (DeWild.) Thomas.

CLERODENDRUM ANGUSTIFOLIUM (Poir.) Spreng.

Additional bibliography: Bojer, Hort. Maurit. 256. 1837; Mold., Geogr. Distrib. Avicenn. 37. 1939; Mold., Phytologia 59: 101 & 469 (1986) and 60: 187 & 188. 1986.

Salisbury's use of the epithet "*angustifolium*" in 1796 was illegitimate and invalid when proposed, being merely a substitute name for Linnaeus' *C. fortunatum*, and therefore does not preclude its later use by Sprengel in this genus.

It is also worth noting that Bojer (1837) regarded *Volkameria angustifolia* Lam. and *Clerodendrum ligustrinum* R. Br. as synonyms of *C. heterophyllum* (Vent.) R. Br. and, indeed, they are obviously very closely related taxa, although apparently distinct.

CLERODENDRUM ARENARIUM J. G. Baker

Additional bibliography: Mold., Phytologia 57: 485--488 (1985), 58: 185 & 188 (1985), and 59: 342. 1986.

A key to help distinguish this species from other Madagascar taxa can be found under *C. baronianum* Oliv. in the present series of notes (58: 188).

CLERODENDRUM ARENARIUM var. **MACROCALYX** Mold.

Additional bibliography: Mold., Phytologia 57: 487 (1985) and 58: 188. 1985.

A key to distinguish this plant from the other known Madagascar taxa will be found under *C. baronianum* Oliv. in the present series of notes (58: 188).

CLERODENDRUM AUCUBIFOLIUM Hemsl.

Additional bibliography: Baron, Rev. Madag. 363. 1906; Mold., Phytologia 57: 488--490 (1985), 58: 185 & 187 (1985), and 59: 348. 1986.

A key to help distinguish this species from the other known taxa in Madagascar may be found under *C. baronianum* Oliv. in the present series of notes (58: 187).

CLERODENDRUM AUCUBIFOLIUM var. **GIGANTEUM** Mold.

Additional bibliography: Mold., Phytologia 57: 489 (1985) and 58: 185. 1985.

A key to distinguish this plant from the other known Madagascar taxa will be found under *C. baronianum* Oliv. in the present series of notes (58: 185).

CLERODENDRUM AUCUBIFOLIUM var. **LONGIFLORUM** Mold.

Additional bibliography: Mold., *Phytologia* 57: 490 (1985) and 58: 185. 1985.

A key to distinguish this plant from the other Madagascar taxa will be found under *C. baronianum* Oliv. in the present series of notes (58: 185).

CLERODENDRUM BAKHUIZENI Mold.

Additional synonymy: *Clerodendron glaucum* Wall. ex Steud. apud Bakh. in Lam & Bakh., *Bull. Jard. Bot. Buitenz.*, ser. 3, 3: 109. 1921.

Additional bibliography: Jacks. in Hook. f. & Jacks., *Ind. Kew.*, imp. 1, 1: 561. 1893; Bakh. in Lam & Bakh., *Bull. Jard. Bot. Buitenz.*, ser. 3, 3: 95 & 109. 1921; Jacks. in Hook. f. & Jacks., *Ind. Kew.*, imp. 2, 1: 561 (1946) and imp. 3, 1: 561. 1960; Grindal, *Everyday Gard. India*, ed. 16, 55. 1960; Mold., *Phytologia* 36: 37 (1977) and 58: 180--182. 1985.

Grindal (196) describes *C. glaucum* as "a tall, erect, rampant shrub" cultivated in India. Bakhuizen (1921) lists it among his "Species unknown to me, or doubtful".

CLERODENDRUM BARBA-FELIS H. Hallier

Additional bibliography: Mold., *Phytologia* 58: 182--183 (1985) and 59: 409. 1986.

CLERODENDRUM BARONIANUM Oliv.

Additional bibliography: Mold., *Phytologia* 58: 183--190, 203, 283, 447, & 450 (1985), 59: 103, 242, 342, 347, 352, 408, & 411 (1986), and 60: 133, 196, 200, & 274. 1986.

CLERODENDRUM BELLUM Mold.

Additional bibliography: Mold., *Biol. Abstr.* 26: 185. 1952; Mold., *Phytologia* 58: 185 & 191--192. 1985.

A key to distinguish this species from the other known taxa of the genus in Madagascar will be found under *C. baronianum* Oliv. in the present series of notes (58: 185).

CLERODENDRUM BETHUNIANUM Low

Additional bibliography: Mold., *Geogr. Distrib. Avicenn.* 37. 1939; Mold., *Phytologia* 58: 330, 342, & 407 (1985), 59: 101--103 & 492 (1986), and 60: 131, 150, 267, & 274. 1986.

CLERODENDRUM BINGAENSE S. Moore

Additional bibliography: Mold., *Phytologia* 58: 199--200 (1985) and 59: 109. 1986.

CLERODENDRUM BIPINDENSE Gürke

Additional bibliography: Mold., *Phytologia* 58: 200--201 & 299.

1985.

CLERODENDRUM BOTRYODES (Hiern) J. G. Baker

Additional & emended bibliography: Pellegrin, Fl. Mayombe 2: 50. 1928; B. Thomas, Engl. Bot. Jahrb. 68: [Gatt. Clerod.] 8, 9, 13, 16, 41, 70, 92, & 93. 1936; Mold., Phytologia 58: 204--207, 298, & 299. 1985.

CLERODENDRUM BRACHYANTHUM Schau.

Additional bibliography: Quisumb., Philip. Dept. Agr. Tech. Bull. 16: 785--786. 1951; Mold., Phytologia 58: 207--209 & 349. 1985.

CLERODENDRUM BRACTEATUM Wall.

Additional bibliography: Mold., Biol. Abstr. 26: 1471. 1952; Mold., Phytologia 58: 209--214, 415--417, & 460 (1985), 59: 103 & 251 (1986), and 60: 135 & 136. 1986.

Keys to help distinguish this species from other Assam and Indian taxa in this genus will be found under *C. griffithianum* C. B. Clarke in the present series of notes (60: 135).

The *Ward 155*, distributed as *C. bracteatum*, actually is *C. griffithianum* C. B. Clarke.

CLERODENDRUM BRACTEATUM var. *BÜNNEMEIJERI* Mold.

Additional bibliography: Mold., Biol. Abstr. 26: 1471. 1952; Mold., Phytologia 58: 212. 1985.

CLERODENDRUM BRACTEATUM var. *SUMATRANUM* Ridl.

Additional bibliography: Mold., Resume Suppl. 15: 18. 1967; Mold., Phytologia 58: 211--214 & 349 (1985) and 59: 103. 1986.

CLERODENDRUM BRASSII Beer & Lam

Additional bibliography: Mold., Phytologia 58: 215--216 (1985) and 60: 190. 1986.

CLERODENDRUM BREVIFLORUM Ridl.

Additional & emended bibliography: Burkill, Dict. Econ. Prod. Malay Penins., imp. 1, 1: 590 (1935) and imp. 2, 1: 590. 1965; Mold., Phytologia 58: 183 & 216--218. 1985.

CLERODENDRUM BRUNNESCENS Mold.

Additional bibliography: Mold., Biol. Abstr. 26: 185. 1952; Mold., Phytologia 58: 281--282. 1985.

A key to distinguish this species from the other known Madagascar taxa will be found under *C. baronianum* Oliv. in the present series of notes (58: 197).

CLERODENDRUM BRUNSVIGIOIDES J. G. Baker

Additional bibliography: Mold., Phytologia 58: 282--283. 1985.

A key to help distinguish this species from the other known Madagascar taxa will be found under *C. baronianum* Oliv. in the present series of notes (58: 188).

CLERODENDRUM BUCHANANI (Roxb.) Walp.

Additional & emended bibliography: Guerrero, Bull. Philip. Bur. Forest. 22: 229. 1921; Burkill, Dict. Econ. Prod. Malay Penins., imp. 1, 1: 590. 1935; Mold., Geogr. Distrib. Avicenn. 37. 1939; Quisumb., Philip. Dept. Agr. Tech. Bull. 16: 785. 1951; Mold., Known Geogr. Distrib. Verbenac., ed. 1, 63--69, 71, & 89. 1942; Lam & Meeuse in Holthuis & Lam, Blumea 5: 235--236 & 768. 1945; Mold., Biol. Abstr. 26: 1471. 1952; Burkill, Dict. Econ. Prod. Malay Penins., imp. 2, 1: 590. 1965; Mold., Phytologia 59: 101 & 106 (1986) and 60: 266. 1986.

A key to distinguishing this species from other Madagascar taxa will be found under *C. baronianum* Oliv. in the present series of notes (58: 186).

The "*Holthuis 2485, 3094, & 3414*", cited by me in 58: 290, should have been cited as *Lam 2485, 3094, & 3414*.

CLERODENDRUM BUCHANANI f. *BREVIFLORUM* Mold.

Additional bibliography: Mold., Biol. Abstr. 26: 1471. 1952; Mold., Phytologia 58: 293. 1985.

CLERODENDRUM BUCHANANI var. *GLABRUM* (H. J. Lam) Mold.

Additional bibliography: Mold., Known Geogr. Distrib. Verbenac., ed. 1, 66 & 89. 1942; Mold., Biol. Abstr. 26: 1471. 1952; Mold., Phytologia 59: 101. 1986.

CLERODENDRUM BUCHHOLZII Gürke

Additional bibliography: Mold., Phytologia 59: 102 & 254 (1986) and 60: 271. 1986.

Keys to distinguish this species from other tropical African species will be found under *C. dinklagei* Gürke and *C. inaequipetiolatum* Good in the present series of notes (59: 253 & 60: 271).

Additional citations: CULTIVATED: Oregon: Rankin s.n. [Coquille, August 29, 1947] (Or--62644).

CLERODENDRUM BUCHNERI Gürke

Additional bibliography: H. N. & A. L. Mold., Pl. Life 2: 56 & 64. 1948; Mold., Phytologia 59: 102 (1986) and 60: 268. 1986.

Thomas (1936) is of the opinion that *C. humile* Chiov. may be conspecific with *C. buchneri*, differing only in its smaller stature and shorter corolla-tube.

CLERODENDRUM BUKOBENSE Gürke

Additional bibliography: Mold., Phytologia 58: 330--332 (1985) and 59: 266. 1986.

CLERODENDRUM BUNGEI Steud.

Additional synonymy: *Clerodendrum bungei* Needham, Sci. Civilis. China 6 (1): 53 sphalm. 1986.

Additional bibliography: Backer, Tropische Natuur 5: 90, 93, & 94. 1916; Mold., Geogr. Distrib. Avicenn. 3, 4, 14, 26, & 29. 1939; D. E. Clark, Sunset New West. Gard. Book, imp. 1, 247 (1967) and imp. 2, 247. 1979; Phillips & Barber, Ornament. Shrubs 110. 1981; Wright,

Miner, & Carter, Compl. Handb. Gard. Pl. 216 & [217], fig. 4. 1984; Clewell, Guide Vasc. Pl. Fla. Panhandle 510 & 511. 1985; Mold., Phytologia 59: 102 (1986) and 60: 141 & 180. 1986; Needham, Sci. Civilis. China 6 (1): 672. 1986.

Additional illustrations: Wright, Miner, & Carter, Compl. Handb. Gard. Pl. [217], fig. 4 (in color). 1984.

Phillips & Barber (1981) describe this species as "an 8 ft. suckering shrub, developing into a thicket if allowed. It is thickly draped with large, heart-shaped, toothed leaves and decorated in due season with 5 in wide orbs composed of fairly tightly clustered, tubular, expanded florets of rosy-red, like red snowballs. In severe winters it may be killed to the ground, but quickly shoots up again. Prune in late winter, lightly in mild climates, severely in cold ones. Propagate from its own suckers and use them as replacement shoots."

A key to distinguish this species from other Chinese and Indo-chinese taxa will be found under *C. henryi* P'ei and *C. hahnianum* Dop in the present series of notes (60: 180 & 60: 141) and from other cultivated taxa in the Hawaiian Islands under *C. indicum* (L.) Kuntze.

CLERODENDRUM BURUANUM Miq.

Additional bibliography: Mold., Phytologia 58: 348--353 (1985) and 59: 106. 1986.

CLERODENDRUM BURUANUM f. *LINDAWIANUM* (Lauterb.) Bakh.

Additional bibliography: Mold., Phytologia 58: 349--353 (1985) and 59: 106. 1986.

CLERODENDRUM BÜTTNERI Gürke

Additional bibliography: Mold., Phytologia 58: 353--355 (1985) and 59: 254. 1986.

A key to help distinguish this species from other tropical African species will be found under *C. dinklagei* Gürke in the present series of notes (59: 254).

CLERODENDRUM CALAMITOSUM L.

Additional bibliography: P. Mill., Gard. Dict., ed. 9, 1: *Clerodendrum* 4. 1797; Willd. in L., Sp. Pl., ed. 4 [5], 3 (1): 386. 1800; Backer, Tropische Natuur 5: 92 & 93. 1916; Burkill, Dict. Econ. Prod. Malay Penins., imp. 1, 1: 589 & 590. 1935; Mold., Geogr. Distrib. Avicenn. 37. 1939; Burkill, Dict. Econ. Prod. Malay Penins., imp. 2, 1: 589 & 590. 1965; Lopez-Palacios, Fl. Venez. Verb. 263. 1977; Mold., Phytologia 59: 102, 321, 328, 340, & 409 (1986) and 60: 142. 1986.

Keys to help distinguish this species from other Indochinese and Madagascar species of the genus will be found under *C. hahnianum* Dop and *C. baronianum* Oliv. in the present series of notes (60: 142 & 58: 186).

CLERODENDRUM CALCICOLA Britton

Additional bibliography: Mold., Geogr. Distrib. Avicenn. 5. 1939;

Mold., *Phytologia* 58: 409--410 (1985) and 60: 130 & 131. 1986.

A key to help distinguish this species from the other known taxa in Cuba will be found under *C. grandiflorum* (Hook.) Schau. in the present series of notes (60: 130 & 131).

CLERODENDRUM CANESCENS Wall.

Additional bibliography: Mold., *Geogr. Distrib. Avicenn.* 37. 1939; Mold., *Phytologia* 58: 413--417 (1985), 59: 470 (1986), and 60: 141 & 180. 1986.

Keys to help distinguish this species from other Chinese and Indo-chinese taxa will be found under *C. henryi* P'ei and *C. hahnianum* Dop in the present series of notes (60: 180 & 60: 141).

CLERODENDRUM CAPITATUM (Willd.) Schum. & Thonn.

Additional bibliography: Willd. in L., *Sp. Pl.*, ed. 4 [5], 3 (1): 384. 1800; Mold., *Geogr. Distrib. Avicenn.* 37. 1939; Mold., *Phytologia* 59: 102, 353, 358, 413, 414, & 472--474. 1986.

CLERODENDRUM CAPITATUM var. *CEPHALANTHUM* (Oliv.) J. G. Baker

Additional bibliography: Mold., *Geogr. Distrib. Avicenn.* 37. 1939; Mold., *Phytologia* 59: 102, 415, & 474. 1986.

CLERODENDRUM CAPITATUM var. *CONGLOBATUM* (J. G. Baker) Thomas

Additional bibliography: Mold., *Phytologia* 58: 436--439 (1985) and 59: 353, 414, & 415. 1986.

CLERODENDRUM CAPITATUM var. *TALBOTII* (Wernham) Thomas

Additional bibliography: Mold., *Phytologia* 58: 440--442 (1985) and 59: 474. 1986.

CLERODENDRUM CAPITATUM var. *VANDERVYSTI* Mold.

Additional bibliography: Mold., *Phytologia* 58: 442 (1985) and 59: 358. 1986.

CLERODENDRUM CARNOSULUM J. G. Baker

Additional bibliography: Prain, *Ind. Kew. Suppl.* 3: 44. 1908; Mold., *Phytologia* 58: 442--444.

CLERODENDRUM CAULIFLORUM Vatke

Additional bibliography: Mold., *Phytologia* 58: 445--447. 1985.

A key to distinguish this species from the other known taxa in Madagascar will be found under *C. baronianum* Oliv. in the present series of notes (58: 185).

CLERODENDRUM CERAMENSE Mold.

Additional bibliography: Mold., *Biol. Abstr.* 26: 1471. 1952; Mold., *Phytologia* 58: 447--448. 1985.

CLERODENDRUM COCHINCHINENSE Dop

Additional bibliography: Mold., *Phytologia* 58: 453--454 (1985) and 60: 143. 1986.

A key to distinguish this species from other Indochinese species will be found under *C. hahnianum* Dop in the present series of notes (60: 143).

CLERODENDRUM COLEBROKIANUM Walp.

Additional bibliography: Mold., Geogr. Distrib. Avicenn. 37. 1939; Mold., Phytologia 59: 102--103 (1986) and 60: 62, 135, 141, 152, & 181. 1986.

Keys to help distinguish this species from other Chinese, Indian, and Thai taxa of *Clerodendrum* will be found under *C. henryi* P'ei, *C. griffithianum* C. B. Clarke, *C. hahnianum* Dop, and *C. inerme* (L.) Gaertn. in the present series of notes (60: 181, 60: 134, 60: 141).

CLERODENDRUM COLEBROKIANUM var. *FORBESII* King & Gamble

Additional bibliography: Mold., Phytologia 58: 461--462 (1985) and 60: 62. 1986.

CLERODENDRUM COMANS Mold.

Additional bibliography: Mold., Biol. Abstr. 26: 185. 1952; Mold., Phytologia 59: 103. 1986.

CLERODENDRUM CONFUSUM H. Hallier

Additional synonymy: *Clerodendron infortunatum* x *villosum* Backer, Tropische Natuur 5: 90. 1916.

Additional bibliography: Backer, Tropische Natuur 5: 90. 1916; Mold., Geogr. Distrib. Avicenn. 37. 1939; Mold., Phytologia 59: 103--107. 1986.

Backer (1916) suggested that Backer 22055 and Hallier s.n. [14. VIII.1890] represent a natural hybrid between *C. infortunatum* L. and *C. villosum* Blume. I regard both collections as typical *C. confusum* H. Hallier. He described the supposed hybrid as "Kroombois 10--12 mm lang, ongeveer even lang als de kelk. Bladeren breed eirond met zwak hartvormigen, afgeronden of zeer stompen voet, 6--18 cm lang, 4½--13½ cm breed. Overigens gelijk aan de voorgaande [*C. infortunatum*]. Op een paar plaatsen bij Buitenzorg gevonden....Deze soort ze door den rooden vruchtkelk en de kortere, veel minder dichte beharing, van de tweede door de veel kortere kroombuis."

CLERODENDRUM CORDIFOLIUM (Hochst.) A. Rich.

Additional bibliography: Mold., Phytologia 59: 110--112, 255, & 477. 1986.

A key to distinguish this species from some other tropical African species will be found under *C. dinklagei* Gürke in the present series of notes (59: 255).

CLERODENDRUM COSTARICENSE Standl.

Additional bibliography: Mold., Geogr. Distrib. Avicenn. 17. 1939; Mold., Phytologia 59: 133. 1986.

CLERODENDRUM CUBENSE Schau.

Additional bibliography: Mold., Geogr. Distrib. Avicenn. 5. 1939;

Mold., *Phytologia* 59: 115--117 (1986) and 60: 130 & 131. 1986.

A key to help distinguish this species from other known Cuban species will be found under *C. grandiflorum* (Hook.) Schau. in the present series of notes (60: 130).

The *Alain & Killip 2008* and *C. Wright 502* [71; Herb. Sauvalle 1779 in part], distributed as *C. cubense*, actually are *C. grandiflorum* (Hook.) Schau.

CLERODENDRUM CUMINGIANUM Schau.

Additional bibliography: Guerrero, Philip. Bur. Forest. Tech. Bull. 22: 229. 1921; Quisumb., Philip. Dept. Agr. Tech. Bull. 16: 786. 1951; Mold., *Phytologia* 59: 117--119. 1986.

CLERODENDRUM CUNNINGHAMII Benth.

Additional bibliography: Mold., Geogr. Distrib. Avicenn. 37. 1939; Mold., *Phytologia* 59: 121--123, 423, & 424. 1986.

CLERODENDRUM CYRTOPHYLLUM Turcz.

Additional & emended synonymy: *Clerodendron glaberrima* Hayata ex Kawakami, List Pl. Formosa 84. 1910. *Clerodendron glaberrimum* Hayata, Journ. Coll. Sci. Imp. Univ. Tokyo 30: 216--217. 1911.

Additional & emended bibliography: Hayata, Journ. Coll. Sci. Imp. Univ. Tokyo 30: [Mat. Fl. Formosa] 216--217. 1911; Mold., *Phytologia* 59: 234--240 & 339 (1986) and 60: 142, 144, & 181. 1986.

Keys to distinguish this species from other Chinese species will be found under *C. canescens* Wall. and *C. henryi* P'ei in the present series of notes (58: 416 and 60: 181).

The synonymous *C. glaberrimum* is based on *Hayata & Mori 7045* from Randaizan, Taiwan, collected in August of 1908. Hayata (1911) comments about it: "Remarkable for its glabrous leaves, retaining its fresh green colour even in a dried specimen, and quite glabrous panicles. Near *C. acuminatum* Wall. and *C. disparifolium* Blume, but differs from them in having smaller flowers, more profusely dichotomous cymes, and oblanceolate leaves."

Additional citations: MOUNTED ILLUSTRATIONS: Itô, Taiwan Shokubutsu Zuzetsu 598. 1928 (Ld).

CLERODENDRUM DECARVI Mold.

Additional bibliography: Mold., Biol. Abstr. 26: 185. 1952; Mold., *Phytologia* 59: 242--243. 1986.

CLERODENDRUM DEFLEXUM Wall.

Additional bibliography: Burkill, Dict. Econ. Prod. Malay Penins., imp. 1, 1: 590-591 (1935 and imp. 2, 1: 590--591. 1965; Mold., *Phytologia* 59: 243--247 & 402. 1986.

Emended illustrations: Wall., Pl. Asiat. Rar. 3: 10, pl. 215. 1831.

A key to distinguish this species from other Thai taxa will be found under *C. inerme* (L.) Gaertn. in the present series of notes.

Additional citations: MOUNTED CLIPPINGS & ILLUSTRATIONS: Wall., Pl. Asiat. Rar. 3: 10, pl. 215. 1831 (Ld, Ld).

[to be continued]